

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/590,844
Source: IFWP
Date Processed by STIC: 9/6/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 09/06/2006

PATENT APPLICATION: US/10/590,844

TIME: 10:20:27

Input Set : A:\seq listing.app

Output Set: N:\CRF4\09062006\J590844.raw

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3 <110> APPLICANT: Hodge et al.
5 <120> TITLE OF INVENTION: RAB9A, RAB11A, AND MODULATORS THEREOF RELATED TO INFECTIOUS
6 DISEASE
8 <130> FILE REFERENCE: 6395-68026-07
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/590,844
C--> 10 <141> CURRENT FILING DATE: 2006-08-24
10 <150> PRIOR APPLICATION NUMBER: PCT/US2005/006396
11 <151> PRIOR FILING DATE: 2005-02-24
13 <150> PRIOR APPLICATION NUMBER: US 60/547,328
14 <151> PRIOR FILING DATE: 2004-02-24
16 <150> PRIOR APPLICATION NUMBER: PCT/US2003/037143
17 <151> PRIOR FILING DATE: 2003-11-18
19 <150> PRIOR APPLICATION NUMBER: US 60/482,604
20 <151> PRIOR FILING DATE: 2003-06-25
22 <150> PRIOR APPLICATION NUMBER: US 60/427,464
23 <151> PRIOR FILING DATE: 2002-11-18
26 <160> NUMBER OF SEQ ID NOS: 66
28 <170> SOFTWARE: PatentIn version 3.3
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 838
32 <212> TYPE: DNA
33 <213> ORGANISM: Cercopithecus aethiops
36 <220> FEATURE:
37 <221> NAME/KEY: misc_feature
38 <222> LOCATION: (1)..(838)
39 <223> OTHER INFORMATION: n is a, c, t, or g.
41 <400> SEQUENCE: 1
W--> 42 gggnaaccga gcggnntaaca ttttcacaca gaaantcgga aagtaaagcc aatcttagag 60
44 gctgcaggag gtttgggggc agtatctgat tcagacgctg gctaacgttt cacgatcgcg 120
46 ttcccttttt tcttccaact cggtaagtaa aaaggcaaga tgagaaattt acgtgctgaa 180
48 cttaataaat agttggtgga cgtattgcct tttttttttt ttttttggtt agggatgaca 240
50 catctcgtga ctacagttct tttgaggaat aacttttctg ctagtgtcca aatcggcacg 300
52 tgaccaaagt cttttcatag gatttttagcg tcctgataaa aatcaatggg cagaatttga 360
54 ttgcttttta aaaaatgtgt ttgtcctttg gtctctggca ccattgtaat ggaaaatccc 420
56 tacattgcct gtactctcag aagctgtcca gtggagcaaa actagagata aagaaacctg 480
58 gaacgattca gtttaggaact tttaagaagc cagccttttag tttttccttt agaagattat 540
60 gcagttatca tgattgcttc tctagaactt cagtgtgtta tttggattcc taaatctaag 600
W--> 62 acaatgctgn ggaagtctgg ggcttttagn attttngggg ctgctgnaga aaatcctcgt 660
W--> 64 ttatactaca aagtttctnt tttggaactt tnggaattgg gcattttttt nnttattatt 720
W--> 66 ngnatgntng antnannggc aaaactnagn naaccctttt nggtttgcct cnanccggtt 780
W--> 68 nttaanaaaa ngggaaaaan cctnanttta aanttttttc cacccttttt tnttttnt 838
71 <210> SEQ ID NO: 2
72 <211> LENGTH: 820

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Input Set : A:\seq_listing.app

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73 <212> TYPE: DNA
74 <213> ORGANISM: Cercopithecus aethiops
77 <220> FEATURE:
78 <221> NAME/KEY: misc_feature
79 <222> LOCATION: (1)..(820)
80 <223> OTHER INFORMATION: n is a, c, t, or g.
82 <400> SEQUENCE: 2
W--> 83 ttgggganct agcttgccaa ntctacaggt ggggtctttc agtggggggc tgtcctgtag      60
85 gttatagaat gtttagcagc aaaaattaaa aattaaataa caaaaataaa aataaaaaag      120
87 aatgttttagc agcatccctg gcctctaccc actagatgtc agcagcacct cccttgcccc      180
89 caggtgtgaa ccaaaaatgc ctgcagacat tgccaaatat ctctaggag gacaaaattg      240
91 tcctctcttc cacttgagaa ctattactct aaaattaccc agatctgctt tgaatccccg      300
93 ctccacccca tcacaacctg ggtcatcttg gaaaacagac tgaaccttcc tatgcccccc      360
95 gcaaattcct caactgtaac atggagctct tgctgaagaa atgctatgaa aattaaatga      420
97 aatgatgtac gtacaggatt tacacgcaca gaattttcac cgcgccagag tgagtgtctca      480
99 ataaatggtc agaaatgagg ggaggctaaa aaaaaataat ttcgagaact caaaaatctt      540
W--> 101 atcttttaggc ctccagagta ctgtagtcta gacagaagaa atggttgaga tagaancaaa      600
103 agagatgaga gaggttgga aagaagtgat agaactaagg tattattccc cttatctctt      660
W--> 105 aagaacccgg cttggagtca aagccaatag agggctctact tagttttgnc tattactcta      720
W--> 107 ctttcaaata taacgaaaat tgcccaaacc caaagtntcc aaaaaaaaact ttnnnttnan      780
W--> 109 cggggatttc tncncggncn aaaatctaan nccccnctnc      820
112 <210> SEQ ID NO: 3
113 <211> LENGTH: 19
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo sapiens
117 <400> SEQUENCE: 3
118 gggaagagtt cacttatga      19
121 <210> SEQ ID NO: 4
122 <211> LENGTH: 19
123 <212> TYPE: DNA
124 <213> ORGANISM: artificial
126 <220> FEATURE:
127 <223> OTHER INFORMATION: a sequence considered complementary to SEQ ID NO: 3.
129 <400> SEQUENCE: 4
130 cccttcccaa gtgaatact      19
133 <210> SEQ ID NO: 5
134 <211> LENGTH: 19
135 <212> TYPE: RNA
136 <213> ORGANISM: Artificial
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Rab9A siRNA
141 <400> SEQUENCE: 5
142 gggaagaguu cacuuauga      19
145 <210> SEQ ID NO: 6
146 <211> LENGTH: 19
147 <212> TYPE: RNA
148 <213> ORGANISM: Artificial
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Rab9A siRNA

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153 <400> SEQUENCE: 6
154 ggaaguggau ggacauuuu 19
157 <210> SEQ ID NO: 7
158 <211> LENGTH: 19
159 <212> TYPE: RNA
160 <213> ORGANISM: Artificial
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Rab9A siRNA
165 <400> SEQUENCE: 7
166 ucacaaagcu uccagaacu 19
169 <210> SEQ ID NO: 8
170 <211> LENGTH: 19
171 <212> TYPE: RNA
172 <213> ORGANISM: Artificial
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Rab9A siRNA
177 <400> SEQUENCE: 8
178 guaacaagau ugacauaag 19
181 <210> SEQ ID NO: 9
182 <211> LENGTH: 21
183 <212> TYPE: RNA
184 <213> ORGANISM: Artificial
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Rab9A siRNA
189 <400> SEQUENCE: 9
190 aaguugaua cccagcucu c 21
193 <210> SEQ ID NO: 10
194 <211> LENGTH: 18
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial
198 <220> FEATURE:
199 <223> OTHER INFORMATION: primer
201 <400> SEQUENCE: 10
202 tcctcattgc gccagac 18
205 <210> SEQ ID NO: 11
206 <211> LENGTH: 24
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial
210 <220> FEATURE:
211 <223> OTHER INFORMATION: primer
213 <400> SEQUENCE: 11
214 atcacagtgc caggctcatt acag 24
217 <210> SEQ ID NO: 12
218 <211> LENGTH: 25
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Fam-labeled probe
225 <400> SEQUENCE: 12

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226 tttcgtgtgg ccgcgagaca ctctt      25
229 <210> SEQ ID NO: 13
230 <211> LENGTH: 19
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial
234 <220> FEATURE:
235 <223> OTHER INFORMATION: primer
237 <400> SEQUENCE: 13
238 catcttctca acaacccta      19
241 <210> SEQ ID NO: 14
242 <211> LENGTH: 19
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial
246 <220> FEATURE:
247 <223> OTHER INFORMATION: primer
249 <400> SEQUENCE: 14
250 ccatctccaa ggagaatta      19
253 <210> SEQ ID NO: 15
254 <211> LENGTH: 21
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Fam-labeled probe
261 <400> SEQUENCE: 15
262 caatggcagg aaaatcatca c      21
265 <210> SEQ ID NO: 16
266 <211> LENGTH: 19
267 <212> TYPE: RNA
268 <213> ORGANISM: Artificial
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Rab11A siRNA
273 <400> SEQUENCE: 16
274 guaggugccu uauugguuu      19
277 <210> SEQ ID NO: 17
278 <211> LENGTH: 19
279 <212> TYPE: RNA
280 <213> ORGANISM: Artificial
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Rab11A siRNA
285 <400> SEQUENCE: 17
286 gcaacaaugu gguuccuau      19
289 <210> SEQ ID NO: 18
290 <211> LENGTH: 19
291 <212> TYPE: RNA
292 <213> ORGANISM: Artificial
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Rab11A siRNA
297 <400> SEQUENCE: 18
298 caagagcgau aucgagcua      19

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Input Set : A:\seq listing.app

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301 <210> SEQ ID NO: 19
302 <211> LENGTH: 19
303 <212> TYPE: RNA
304 <213> ORGANISM: Artificial
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Rab11A siRNA
309 <400> SEQUENCE: 19
310 ggaguagagu uugcaacaa
313 <210> SEQ ID NO: 20
314 <211> LENGTH: 19
315 <212> TYPE: RNA
316 <213> ORGANISM: Artificial
318 <220> FEATURE:
319 <223> OTHER INFORMATION: PIKfyve siRNA
321 <400> SEQUENCE: 20
322 ggaaaauagcu auaauccua
325 <210> SEQ ID NO: 21
326 <211> LENGTH: 19
327 <212> TYPE: RNA
328 <213> ORGANISM: Artificial
330 <220> FEATURE:
331 <223> OTHER INFORMATION: PIKfyve siRNA
333 <400> SEQUENCE: 21
334 gaaccagcu ccaucauug
337 <210> SEQ ID NO: 22
338 <211> LENGTH: 19
339 <212> TYPE: RNA
340 <213> ORGANISM: Artificial
342 <220> FEATURE:
343 <223> OTHER INFORMATION: PIKfyve siRNA
345 <400> SEQUENCE: 22
346 guagaauagcu ggccgauua
349 <210> SEQ ID NO: 23
350 <211> LENGTH: 19
351 <212> TYPE: RNA
352 <213> ORGANISM: Artificial
354 <220> FEATURE:
355 <223> OTHER INFORMATION: PIKfyve siRNA
357 <400> SEQUENCE: 23
358 ggaaaucucc ugcucgaaa
361 <210> SEQ ID NO: 24
362 <211> LENGTH: 19
363 <212> TYPE: RNA
364 <213> ORGANISM: Artificial
366 <220> FEATURE:
367 <223> OTHER INFORMATION: p40 siRNA
369 <400> SEQUENCE: 24
370 ccacagcugu ucauauuuua
373 <210> SEQ ID NO: 25

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RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : A:\seq listing.app
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 4,15,35,610,630,636,647,679,692,710,711,712,721,723,727,729
Seq#:1; N Pos. 732,734,736,737,747,750,751,761,772,774,781,787,791,800,804
Seq#:1; N Pos. 806,813,832,837
Seq#:2; N Pos. 8,21,596,709,757,773,774,775,778,780,792,794,798,800,810,811
Seq#:2; N Pos. 816,819

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29
Seq#:30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53
Seq#:54,55,56,57,58,59,60,61,62,63,64,65,66

VERIFICATION SUMMARY

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Input Set : A:\seq listing.app

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:600
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:660
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:720
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:780
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:540
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:660
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:720
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:780